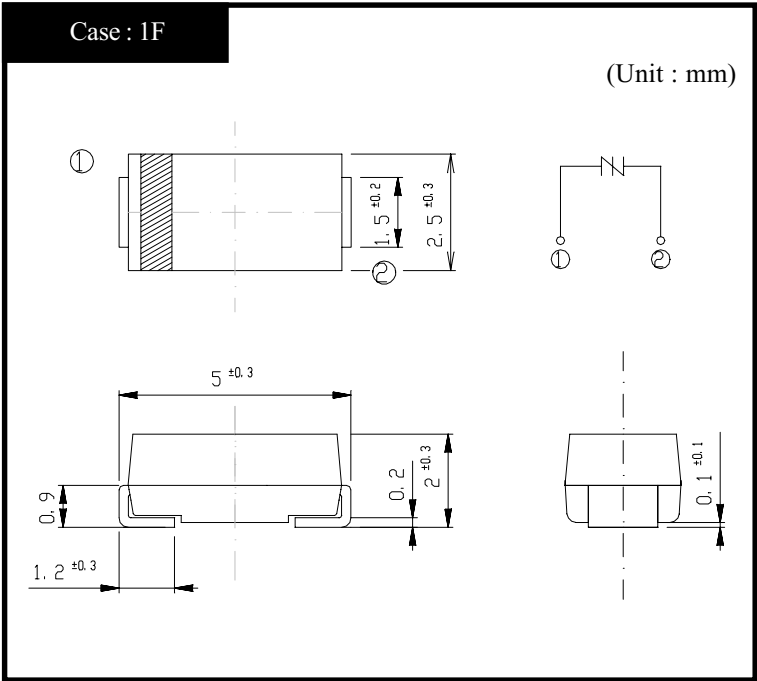


KL3R20

OUTLINE DIMENSIONS



RATINGS

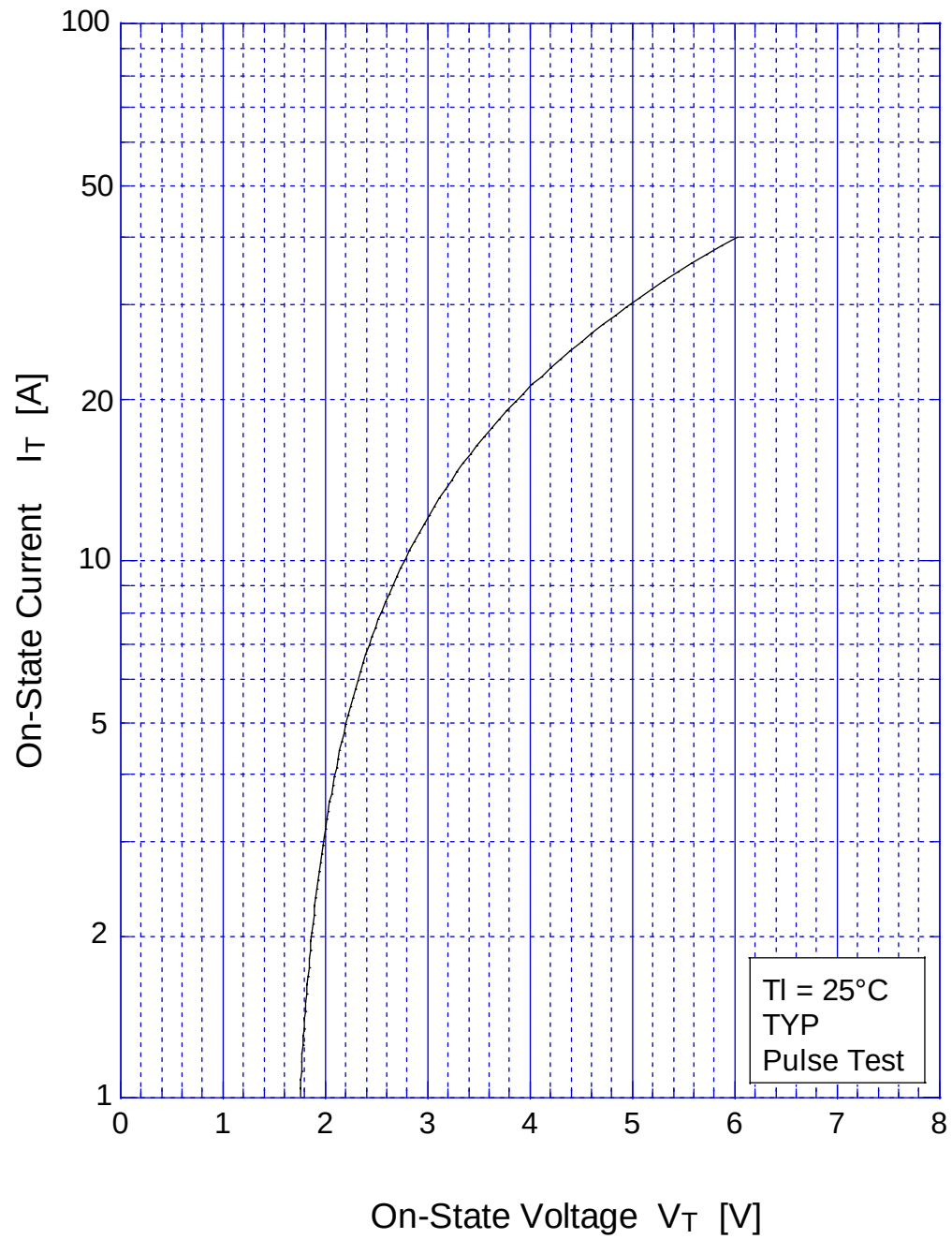
●Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~125	°C
Junction Temperature	T _j		125	°C
Maximum Off-State Voltage	V _{DRM}		175	V
Surge On-State Current	I _{TSM}	10/1000 μ s, Non-repetitive	30	A
		8/20 μ s, Non-repetitive	100	
Critical Rate of Rise of Off-State Voltage	dv/dt	V _{BO} (min) / 0.63	1.5	kV/μ s

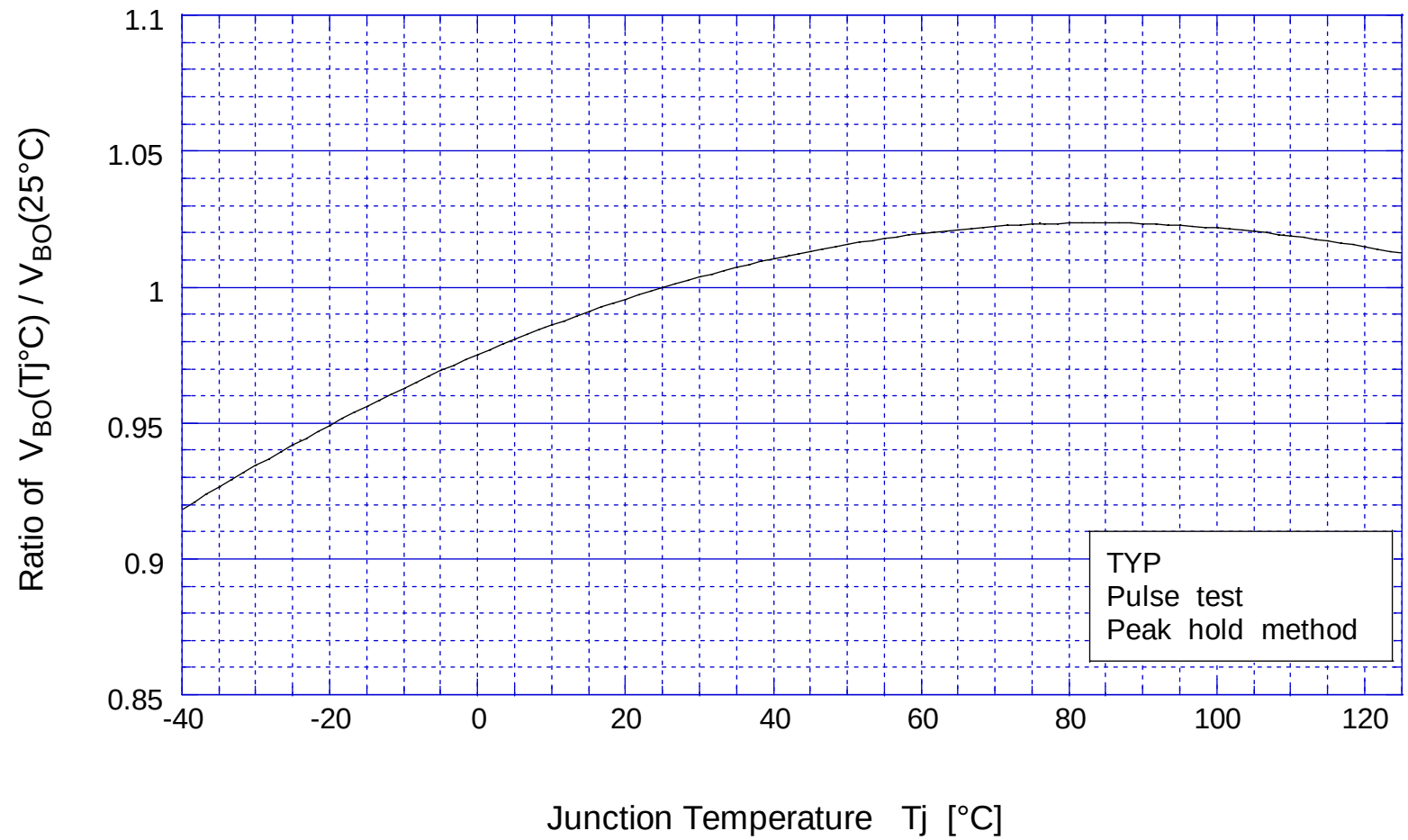
●Electrical Characteristics (Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V _{BO}	Pulse measurement	Min 180	V
Off-State Current	I _{DRM}	V _D = V _{DRM}	Max 10	μ A
Holding Current	I _H	Pulse measurement	Min 100	mA
On-State Voltage	V _T	I _T = 2A	TYP 1.8	V
Junction Capacitance	C _j	f = 1kHz OSC = 1V _{RMS} , V _D = 50VDC	Max 30	pF
Clamping Voltage	V _{CL}	dv/dt = 100V/μ s	Max 250	V

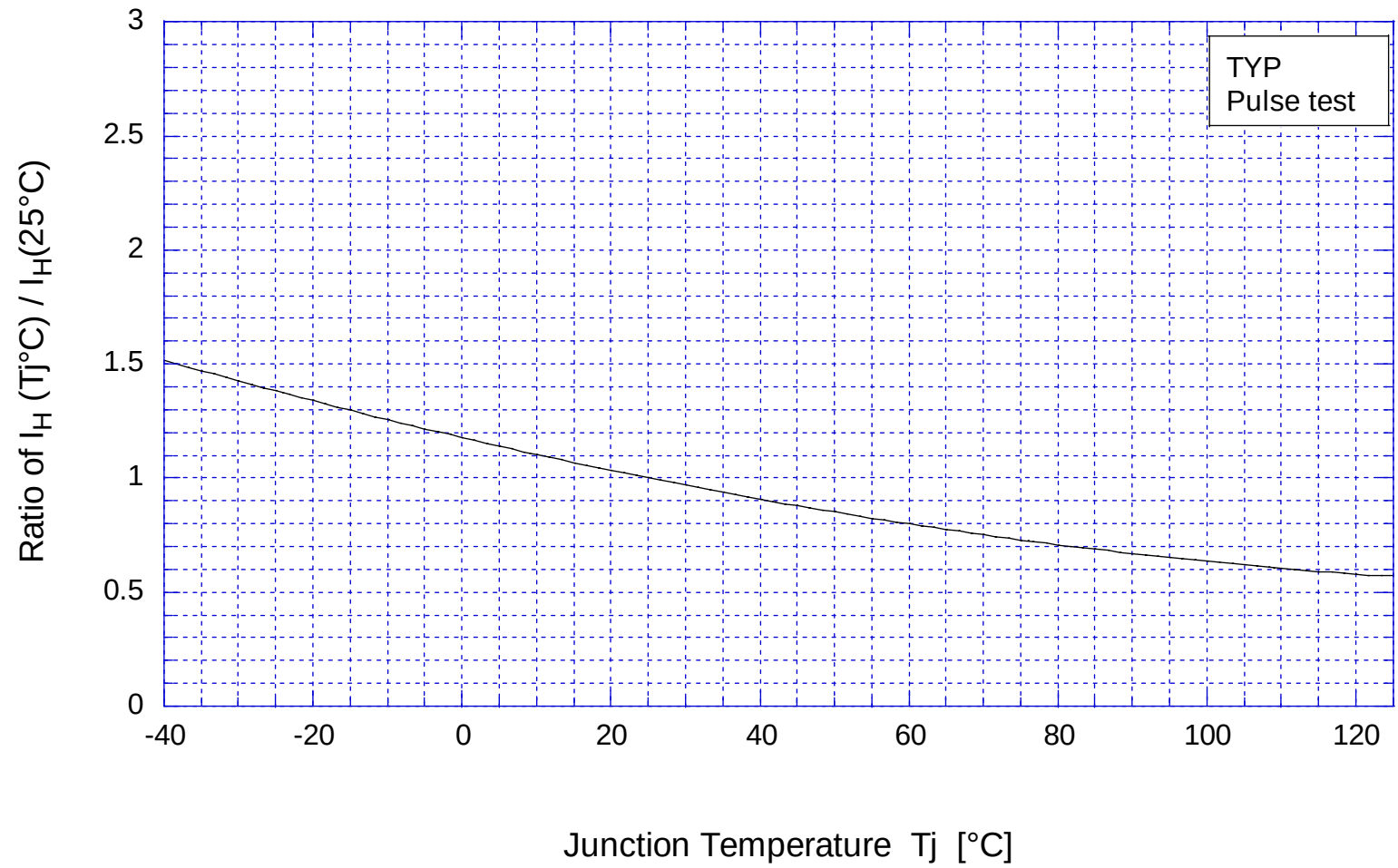
KL3R20 On-State Voltage - On-State Current



KL3R20 Breakover Voltage - Junction Temperature

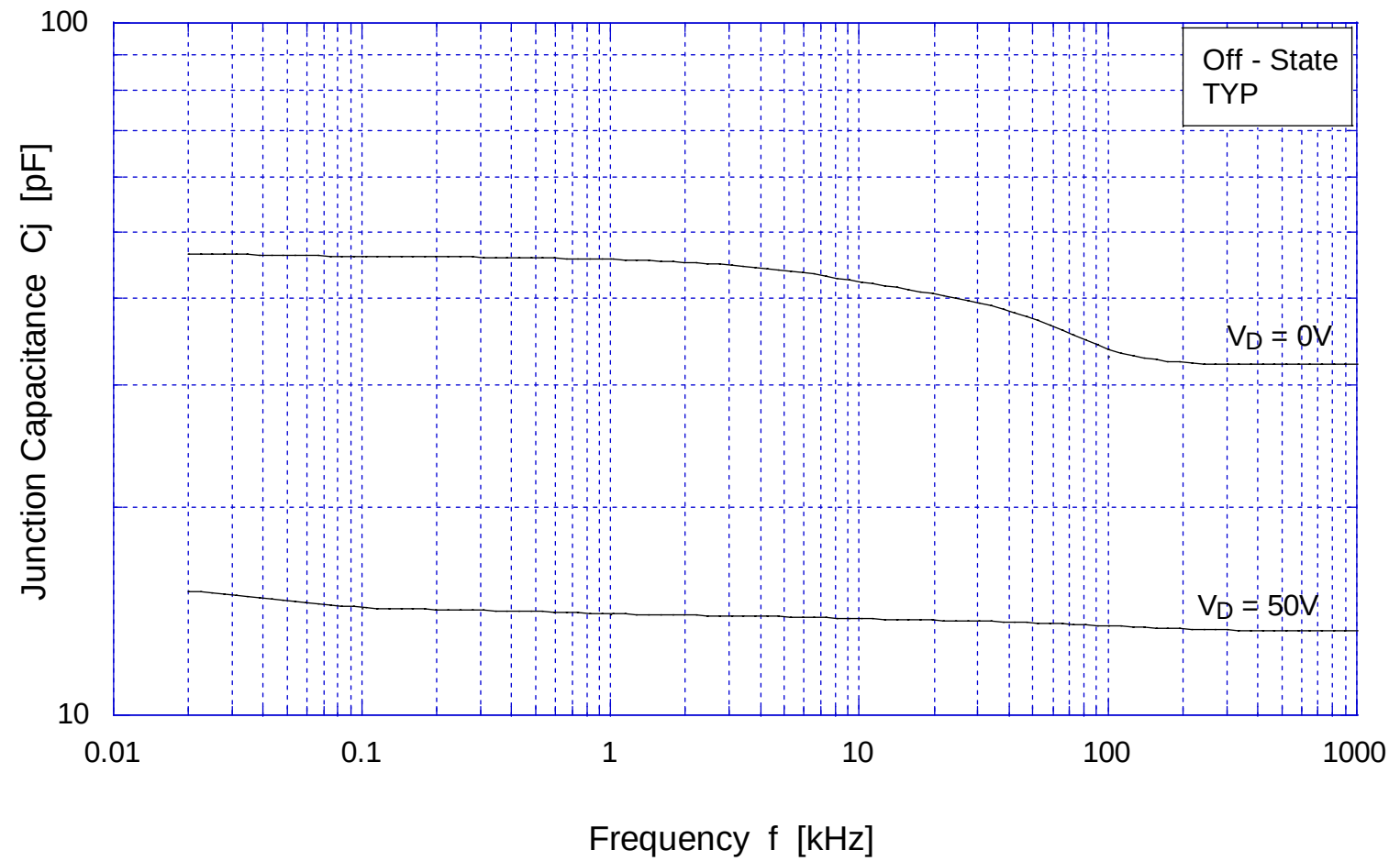


KL3R20 Holding Current - Junction Temperature



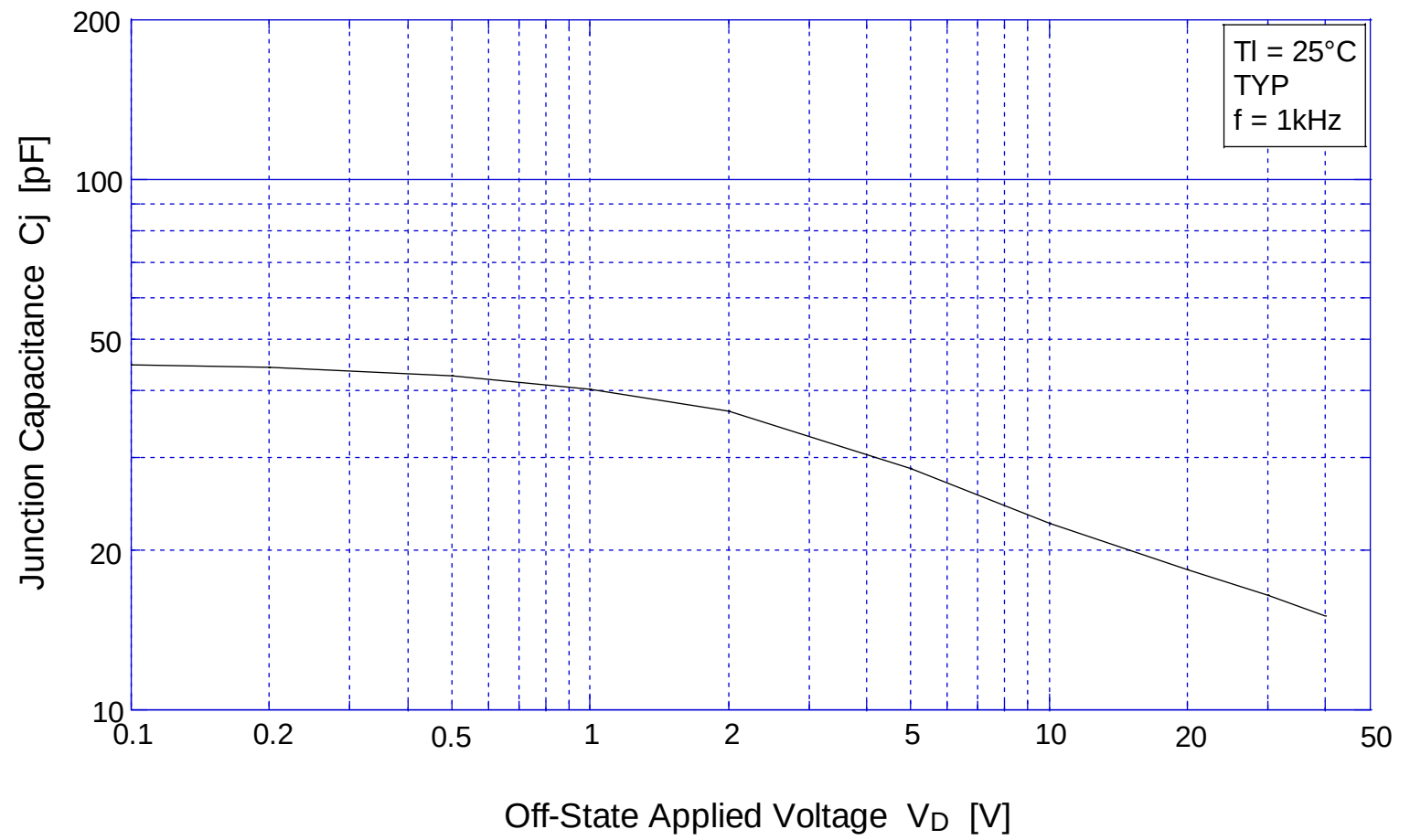
KL3R20

Junction Capacitance



KL3R20

Junction Capacitance



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Shindengen:

[KL3R20-4103](#) [KL3R20-4063](#) [KL3R20-4073](#) [KL3R20-5063](#) [KL3R20-5073](#) [KL3R20-5103](#)